

# Recombinant Full Length *Chlorocebus Aethiops* Diacylglycerol O-Acyltransferase 1(Dgat1) Protein, His-Tagged

**Cat. No.** RFL36062CF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Full Length <i>Chlorocebus aethiops</i> Diacylglycerol O-acyltransferase 1(DGAT1) Protein (Q9GMF1) (1-491aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | <i>Chlorocebus Aethiops</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | <i>E.coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-491)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MGDRGGAGGTRRRRTGSRPSSHGGGGPAAAEVEVRDAAAGPDMGAAGDAPAPA<br>PSKDADD GVASGHWELRCHRLQDSLFSDDSGFNMYRGILNWCVVMLILSNARLFLE<br>NLIKYGILVDP IQVVSFLKDPYSWPAPCLVIAANVFVAAAFQVEKRLAVGALTEQAG<br>LLLHVNANLATILC FPAAVVLLVESITPVGSLLALMVHTILFLKLSYRDVNLWCRRARA<br>KAASAGKRASSAAA PHTVSYPDNLT YRDLYYFLFAPTL CYELNFP RSPRIRKRFLLR<br>RILEMLFFTQLQVGLIQ QWMVPTIQNSMKPFKMDYSRIIERLLKLAVPNHLIWLIFY<br>WLFHSCLNVAELMQFGD REFYRDWWNSESVTYFWQNWNPVHKWCIRHFYKPM<br>LRRGSSRWMARIGVFLASAFFHEY LSVPLRMFRLWAFTGMMAQIPLAWFVGRFF<br>QGNYGNAAVWLTLIIGQPIAVLMYVHDYY VLNYEAPVAGA |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

## GENE INFORMATION

|                   |                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | DGAT1                                                                                                                                                         |
| <b>Synonyms</b>   | DGAT1; DGAT; Diacylglycerol O-acyltransferase 1; Acyl-CoA retinol O-fatty-acyltransferase; ARAT; Retinol O-fatty-acyltransferase; Diglyceride acyltransferase |
| <b>UniProt ID</b> | <a href="#">Q9GMF1</a>                                                                                                                                        |

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